

PA-0028 US

<110> Olga Bandman

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<130> PA-0028 US

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PA-0028 US
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POLYMER LETTERS

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<212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4947167CB1

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gggaccgggg	cggagtggga	cacggtgtgc	agacacaact	acgaggtggc	gttccgcggg	420
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<210> 10

<211> 4355

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1383009.13

<220>

<221> unsure

<222> 44, 400

<223> a, t, c, g, or other

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<211> 1240
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 999585.16

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PA-0028 US

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<210> 12
 <211> 1038
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 <213> Homo sapiens

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 <223> Incyte ID No: 1378166CB1

<220>
 <221> unsure
 <222> 11, 15, 17, 20, 25, 27-28, 38, 45-46, 51, 55-56, 68, 70-71, 73, 81, 83-84, 97, 105-106, 116, 151-152, 156, 162, 170, 173, 183, 189-190, 197, 207, 229-230, 235-236, 238-240, 243, 251-253, 258, 276, 288, 291, 296, 306-307, 312, 332, 337, 344, 351, 369, 381-382
 <223> a, t, c, g, or other

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 <213> Homo sapiens

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 <223> Incyte ID No: 227638.19

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PA-0028 US

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<210> 14
 <211> 304
 <212> DNA
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 <223> Incyte ID No: 981640.1

<220>
 <221> unsure
 <222> 23
 <223> a, t, c, g, or other

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<210> 15
 <211> 386
 <212> DNA
 <213> Homo sapiens

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<210> 16
 <211> 3125
 <212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 347084.15

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<211> 8911

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 994247.2

<220>

<221> unsure

<222> 374

<223> a, t, c, g, or other

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<223> Incyte ID No: 1815622CB1

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PA-0028 US

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<211> 1926

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<213> Homo sapiens

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2010-10-10 10:10:10

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29

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<213> Homo sapiens

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<223> Incyte ID No: 1990126CB1

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 <223> Incyte ID No: 198725.2

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PA-0028 US

<220>

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<223> Incyte ID No: 1359783CB1

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<213> Homo sapiens

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<223> Incyte ID No: 198266.64

PA-0028 US

<220>

<221> unsure

<222> 1682

<223> a, t, c, g, or other

<400> 46

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 <222> 1102
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<223> Incyte ID No: 1372419CB1

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<211> 1072

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<213> Homo sapiens

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PA-0028 US

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<211> 1117

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<210> 57

<211> 1718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1383218.12

<220>

<221> unsure

<222> 868, 873, 881, 1207

<223> a, t, c, g, or other

<400> 57

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<210> 58

<211> 1002

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

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<223> Incyte ID No: 230345.3

<220>

<221> unsure

<222> 23, 994

<223> a, t, c, g, or other

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<210> 59

<211> 1620

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 019238.3

<400> 59

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PA-0028 US

<210> 60

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 034470.4

<400> 60

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<210> 61

<211> 10758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 205855.10

<220>

<221> unsure

<222> 10700

<223> a, t, c, g, or other

<400> 61

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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66

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<221> misc_feature

<223> Incyte ID No: 2802282CB1

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PA-0028 US

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PA-0028 US
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2010-2011

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<213> Homo sapiens
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<213> Homo sapiens
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PA-0028 US

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FOR THE RECORD

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PA-0028 US

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PA-0028 US

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<211> 878

<212> DNA

<213> Homo sapiens

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<221> misc feature
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<223> Incyte ID No: 3094835CB1

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<211> 1243

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

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<221> misc_feature
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<223> Incyte ID No: 1404669CB1

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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 118619.34

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<210> 98
 <211> 4065
 <212> DNA
 <213> Homo sapiens

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 <223> Incyte ID No: 118619.8

<220>
 <221> unsure
 <222> 3146
 <223> a, t, c, g, or other

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1383548.1

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<220>

<221> unsure

<222> 2113, 2138, 2154

<223> a, t, c, g, or other

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<211> 4264

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 197192.47

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PA-0028 US

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<213> Homo sapiens

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<223> Incyte ID No: 236624.1

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<221> unsure

<222> 439

<223> a, t, c, g, or other

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 <212> DNA
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<220>

<221> unsure

<222> 3157

<223> a, t, c, g, or other

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<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

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<223> Incyte ID No: 1796035CB1

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<211> 655

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 5037270CB1

<400> 115

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<211> 907

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1398670.1

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101

PA-0028 US

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<211> 6176

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 282397.77

<400> 119

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PA-0028 US

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<223> Incyte ID No: 729620CB1

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<223> a, t, c, g, or other

<400> 120

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 234630.53

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PA-0028 US

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<213> Homo sapiens

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<211> 559

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<213> Homo sapiens

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<223> Incyte ID No: 1102141.1

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<400> 128

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<210> 129

<211> 1237

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 480187.113

<400> 129

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PA-0028 US

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<213> Homo sapiens

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<211> 499

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 994483.1

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cagaagcaga	gatctcccac	acccaaaagg	ccacactggg	gtgcctggcc	acaggctttc	360
taccccgacc	acgtggagct	gagctgggtg	gtgaatggga	aggaggtgca	cagtggggtc	420
agcacggacc	cgcagcccct	caaggagcag	cccggccctca	atgactccag	atactgcctg	480
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<210> 134

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1326443.1

<220>

<221> unsure

<222> 292, 313, 324, 356, 379, 423, 430, 441

<223> a, t, c, g, or other

<400> 134

PA-0028 US

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cacacagatg ggaaacgaca agtccattaa atgtgaacaa aatctggggc atgatactat 60
gtattggtat aaacaggact ctaagaaatt tctgaagata atgttttagct acaataataa 120
ggagctcatt ataaatgaaa cagttccaaa tgcgttctca cctaaatctc cagacaaagc 180
tcacttaaat cttcacatca attccctgga gcttggtgac tctgctgtgt atttctgtgc 240
cagcagaccg tccgggacag gcaaccaaga gaccagtagc ttcggggccag gnacgcggct 300
cctggtgctc gangacctga aaancgtggt cccacccgag gtcgctgtgt ttgagncatc 360
agaagcagag atctccana cccaaaaggc cacactggta tgcctggcca caggctttct 420
acnccgaccn acgtggaagc ngagctgggtg ggtgaatggg aaggaggtgc acag 474
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<210> 135

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1102234.5

<400> 135

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aacctgggtc ccgaaccgaa ggtgtagcca taggtcctgt ccgagacgct gcagagatat 120
atgctgctgt cttcagggtc catgttgctc acagtcagag ttgagaatgt taggtttggg 180
cggctgatgg gaaacttgtc aatgacaaat ccactctcat atgtggccag agagccctga 240
tttgagtttg cgatcagtgat caggctctgt ccagggtgct gacggtagca gaacatcatg 300
gtgaacttgg ctatcgactt gacactggat cgtcagggag gttccacgtt gacagatatc 360
cctgcttggc ttttgagaga tgacagcact gaacacagag cctagtccca ggagaaggag 420
cagaagactc agcatcttca agtgatg 447
```

<210> 136

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1384259.1

<400> 136

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gatatagaaa ataaatatct gttccatccc tgttccagac aagcccatgt acctgccaag 120
gtaggaagct gtgtatcaca ttgcaacaag gaatgacccc ggccctggta aagtcaacag 180
caacagtcgt cacctttcat tcacagcagt aacactgttc tcccttaactc tgactccaaa 240
tttgtcttct ttctctacag gtcattgggga tgccatgggc atccagaacc caagatacca 300
ggttacccag tttggaaagc cagtaccctc gaggttgtct cagactttga accataacgt 360
catgtactgg taccagcaga agtcaagtca ggccccaaag ctgctgttcc actactatga 420
caaagatatt aacaatgaag cagacacccc tgataacttc caatccagga ggccgaacac 480
ttctttctgc tttcttgaca tccgctcacc aggcctgggg gacgcagcca tgtacctgtg 540
tgccaccagc cttctaccgg tcggggagca gttcttcggg ccaggacacg gctcaccgtg 600
ctagaggacc tgaaaaacgt gttcccaccc gaggtcgtctg tgtttgagcc atcagaagca 660
gagatctccc acacccaaaa ggccacactg gtatgcctgg ccacaggctt ctaccaccga 720
ccacgtggag ctgagctggt ggggtgaatgg gaaggaggtg cacagtggag tcagcacaag 780
acccgcagcc ctcaagagca gaccgc 806
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<210> 137

<211> 1426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2678968CB1

<400> 137

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ttctgggggc aggctccggg cttgggtgctg tcgtctctca acatccgagc aggggttatct 120
gtaagagtgg aacctctgtg aagatcgagt gccgttcctt ggactttcag gccacaacta 180
```

PA-0028 US

tgttttggta	tcgtcagttc	ccgaaacaga	gtctcatgct	gatggcaact	tccaatgagg	240
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gcctgacctt	gtccactctg	acagtgacca	gtgcccatcc	tgaagacagc	agcttctaca	360
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tggtgctcga	ggacctgaaa	aacgtgttcc	cacccgaggt	cgctgtgttt	gagccatcag	480
aagcagagat	ctccacacac	caaaaggcca	cactggtgtg	cctggccaca	ggcttctacc	540
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cagaccgcga	gcccccaag	gagcagcccg	ccctcaatga	ctccagatac	tgcttgagca	660
gccgcctgag	ggtctcggcc	accttctggc	agaacccccg	caaccacttc	cgctgtcaag	720
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ggggggggcca	aaggcttttt	cccaaggggg	gccccaaatt	tttattttcc	gggggggggt	1380
gttttttaga	agggtgtgac	cgggggaaac	ccctttgggt	tacaca		1426

<210> 138

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480187.82

<220>

<221> unsure

<222> 835, 854

<223> a, t, c, g, or other

<400> 138

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agctgggtta	tctgtaagag	tggaaacctct	gtgaagatcg	agtgccgttc	cctggacttt	180
caggccacaa	ctatgttttg	gtatcgtcag	ttcccgaac	agagtctcat	gctgatggca	240
acttccaatg	agggctccaa	ggccacatac	gagcaaggcg	tcgagaagga	caagtttctc	300
atcaaccatg	caagcctgac	cttgtccact	ctgacagtga	ccagtgccca	tcctgaagac	360
agcagcttct	acatctgcag	tgctgggact	agcgggaggg	gtggattcta	cgagcagtac	420
ttcggggccg	gcaccaggct	cacggtcaca	gaggacctga	aaaacgtgtt	cccacccgag	480
gtcgtgtgtg	ttgagccatc	agaagcagag	atctcccaca	cccaaaaggc	cacactgggtg	540
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cgcaaccact	tccgctgtca	agtccagttc	tacgggctct	cggagaatga	cgagtggacc	780
caggataggg	ccaaacctgt	cacccagatc	gtcagcgccg	aggcctgggg	tagancagac	840
tgtggcttca	actnccgtaa	gtgagtcct				868

<210> 139

<211> 1244

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1451415CB1

<220>

<221> unsure

<222> 1190

<223> a, t, c, g, or other

Figure 1

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ctagggacag	atcacacagg	tgtctggagtc	tccaggtccc	ctaggtacaa	agtcgcaaag	180	
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aatacttctc	tcttttttct	gtttccctga	agattgagct	cccaaccccn	aagtacgaaa	1200	
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<211> 1677

<213> Homo sapiens

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<221> misc_feature
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<400> 140

<210> 141

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 480187.125

<400> 141

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ctagggacag  atcacacagg  tgctggagtc  tcccagtcct  ctaggtagaa  agtcgcaaag  180
agaggacagg  atgtagctct  caggtgtgat  ccaatttcgg  gtcagtgtat  ccttttttgg  240
taccaacagg  ccctggggca  ggggccagag  tttctgactt  atttcagaa  tgaagctcaa  300
ctagacaaat  cggggctgcc  cagtgatcgc  ttctttgcag  aaaggcctga  gggatccgtc  360
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gcagagatct  cccacaccac  aaaggccaca  ctggtgtgcc  tggccacagg  cttctacccc  600
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agtcccaaaa  caccatttcc  ataccaggc  attctgggtc  cccactggag  ggttagtctg  1440
aagggcaatg  gctgggcttt  ggaaaaccag  caagatgagg  acagagagga  aggcacacag  1500
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tgtctg
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<210> 142

<211> 1241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 480187.131

<400> 142

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aatcctgggt  gaggatgaag  aatgacctgg  gatggttttg  gagctagcct  ctggaatcct  180
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aggtgaagcc  acagtctgct  ctaccccagg  cctcggcgct  gacgatctgg  gtgacagggt  360
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<210> 143

PA-0028 US

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 994560.1

<220>

<221> unsure

<222> 54

<223> a, t, c, g, or other

<400> 143

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gctcaggcag	tatctggagt	cattgagggc	gggctgctcc	ttgaggggct	gcgggtctgt	240
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<210> 144

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 480187.128

<400> 144

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ctacagtctt	gaagaacaga	ctgaaaacaa	cagtgtgcca	agtcgcttct	cacctgaatg	540
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cctcaccacg	gattctcctg	tacctgtctc	caatctgtgt	tcctaaaagt	gattctcact	1320
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<210> 145

PA-0028 US
 <211> 3685
 <212> DNA
 <213> Homo sapiens

<220>
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PA-0028 US

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<211> 2077

<212> DNA

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<222> 340, 414

<223> a, t, c, g, or other

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<211> 1672

<212> DNA

<213> Homo sapiens

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<211> 2225

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 039857CB1

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PA-0028 US

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1555032CB1

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PA-0028 US

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 3029920CB1

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PA-0028 US

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<211> 2481

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 627722CB1

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PA-0028 US

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<211> 1505

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1138158.1

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<221> unsure

<222> 1166, 1194

<223> a, t, c, g, or other

<400> 163

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<211> 1736

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<222> 1434, 1438-1439, 1512, 1514, 1521-1522, 1530

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 73

<223> a, t, c, g, or other

<400> 167

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<400> 168

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<223> Incyte ID No: 233624.47

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<221> unsure
<222> 1805, 1808, 1868, 1871
<223> a, t, c, g, or other
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138

PA-0028 US

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<212> DNA

<213> Homo sapiens

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<223> a, t, c, g, or other

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<211> 1370

<212> DNA

<213> Homo sapiens

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PA-0028 US

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<213> Homo sapiens
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PA-0028 US

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PA-0028 US

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Figure 1. The effect of the concentration of the *Agrobacterium* strain on the transformation efficiency of *Agrobacterium* strain 101. The concentration of the *Agrobacterium* strain 101 was varied from 10⁶ to 10⁹ cells/ml. The transformation efficiency was determined by the number of transformants per 10⁶ cells of the *Agrobacterium* strain 101. The data are the mean \pm SD of three independent experiments.

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US
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ggaaacccta	caaatatgag	gaatgtctca	aagcttttta	ctgattctta	taccttacta	240
aacataaaa	aattcataaa	ggagataaat	tatacaaatg	tgaagaatgt	ggcaaagctt	300
ttaacaaatc	ctcatccatt	agtaaacata	agataattca	tactggagag	aaaacctaca	360
aatgtgagga	atgtggcaaa	gccttttagcc	tgtccctcca	atttactgca	cataagataa	420
tttatactgg	agagaagccc	tacaaatgtg	aaaaatgtgg	caaacctttt	aaccaatcct	480
caacccttac	tacacattag	ataattcatg	ctggagagaa	accctacaaa	tgtgaaaaat	540
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agaaatctta	caaagtgtgaa	gaatgtggta	aagcctttta	ccaatcctca	actcttacta	660
aacataggaa	aattcatact	agacagaaac	cctacaactg	tgaagaatgt	gacaatacat	720
ttaaccagtc	ctcaaacctt	attaaacaaa	ataattcata	ctggagagaa	actctacaaa	780
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gacataagat	aattttatact	ggagagaaac	tctacaaatc	agaaagatgt	gactactttt	1260
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attgtctagg	aagcatttat	acttgagata	aattatacaa	atataaagac	tgtgaaaaag	1500
ccatcattat	ctgctcacat	tttactcaac	accagagagt	tcctgcttaa	taaaagcatt	1560
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gttcaacatc	aggaatttta	tattgaaaaa	ttgtgcaaat	ataataaatt	tggaaaaaa	1800
atttttcaaa	aactacagct	tagaaatcaa	cagttatact	agaatatatt	ttttccgat	1860
gcagtaaaaag	taaaatattt	aatccataat	taagtctatg	caaatatcag	agaattttatg	1920

PA-0028 US

```
gtagaaatat ataagggtact gacacttcag atatactaaa tcagagtgtc aagtatagaa 1980
aatctgaaac taaagttggt agaaaagtta tttgtataga actttaagag gatcagaagg 2040
ttttttgcag agttataatt acattcaaag tatactttat ttcttgaaaa atattacaga 2100
ttttttgaaa attgaataat gtcatcattc aactctgaaa ttatttcctg ttgtttcttc 2160
attcctattg gattcacatg tgaaagcatg ggggttaattg ttgctacatc aaagagagag 2220
```

<210> 192
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 001306.1

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<400> 192
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attctcacct aaagttgata ctaatattac aataactctc ttgtgcccta ttttggtgtt 120
ttaaacttct ttgctgtaca ttaagaaaaa tcagaatttc agtagactcc tcgtgcagtc 180
tgaggaggca gtttcctatc tggtttgact taaggggctg cagaagacat tcttatccca 240
catatttctt ctgctgatca gtcagcaact gaaattccaa ctaatggatt ccattcttcc 300
agttaagaca tcatctccag aaaactgtgc tagttggcat ccagcagtcg ccaagtatta 360
tttaaccac tagaacctgt gactgcacat gcttttatatc ctggaccta gcttgggaaca 420
aaggagagct aca 433
```

<210> 193
<211> 996
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 016760.1

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<400> 193
gaaaggccaa aggagagtg tgatggcccc cgatgtggag gtgtctctgc ccagcgtgga 60
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ccctggccca cgaggatgta gctgggaaag acagtaagtt tcaaggacca aaactgagca 180
cgtctgggtt tgaatgggtc tcaaagaaag tttccatgtc ttccctctgaa atcgaaggaa 240
atgttacatt ccatgagaag acttccacat ttcccatgtt ggaatctgtt gttcatgaag 300
gtgatcttca tgatccatct cgcgatggta acttggggct tgctgttgga gaagtggaa 360
tggattcgaa gtttaagaaa ctgcatttta aagtgcccaa agtttcattt tcttctacca 420
aaactcctaa agatagttta gtcccagggtg caaagtctag cataggtctt tccacgattc 480
ctttatcatc ttcagaatgc tcaagttttg aattacaaca ggtttcggct tggtcagagc 540
catccatgca gatgcctaag gtgggttttg ctgggtttcc atcatcccg cttgatctca 600
ctggtcctca ctttgaatct tctattctct ctccctgtga ggatgttaca cttacaaaat 660
accaggtgac tgttcccaga gctgccttgg cccctgagct tgctctggaa attccttctg 720
ggctctcaggc tgatattcct ctccccaaaga cagagtgtc cactgacctg cagcctccag 780
agggagttcc aacatctcaa gctgagagtc actctggccc actgaattcc atgattcctg 840
tttctcttgg tcaggtatct tttcctaaat tctataaacc aaagtttgtg ttttcagtcc 900
cccaaattggc agttcctgag ggagacctac atgcagcagt ggggtgcccc gtcattgtctc 960
ctcttagccc tggagaaaaga gtgcagtgcc ccttgc 996
```

<210> 194
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 023037.1

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<400> 194
cttgacataa gaactgtgtt cagtttacat tttaaaggac gctgtcaaaa ggtttgtgta 60
ccatatattt ttttcttaca agaatgtaga tgatctaaac caaactcaac gtgaaaacca 120
agttaaatcc taggtacatg ttgaaaaagt ttatttacac aggtgagtgt tacgcatttg 180
```

PA-0028 US

gagaactgat	acactgaaaa	tttaccaaag	caccaggtgt	gtcattttgct	caggtgcagc	240
agaaattaaa	atactattat	gatttggtcc	ttaactgggt	agaaaatgcc	ggtctctccc	300
tgtatctgtt	agagctatgt	atctcatttt	acaatgtaaa	atattcgcat	cttcaaaaag	360
aaacttagtt	cctgtgtaag	aaccttattt	aaatattgat	agatgagtc	tgcttagctc	420
tcattttttac	gaggggcttg	attattttta	tgcagttttt	ccttaacaga	ttgtaccagc	480
tttgagtgc	tagaataaga	aaccaatgta	tgaataattt	atatttttgg	caagtatccc	540
tataaatatg	cagcttgga	gacctagaaa	tccagagttg	cagtggatac	agcgttttg	598

<210> 195

<211> 1364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 025731.1

<220>

<221> unsure

<222> 1260

<223> a, t, c, g, or other

<400> 195

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aggatatgtg	gaatataaaa	ttttatttat	attccttttg	agaaaatact	gagaaaacca	180
tcttccctgg	aaaagagAAC	gtattgtaaa	gaaagtacat	gaaattgaag	gttgaatatc	240
caacatcccc	cacactgccc	cagtgtctct	gctcccttac	tgagccttac	tattattctt	300
catagcccta	tcactaccta	gtctagtatt	cactgaactg	tgatcatccac	tagaatatga	360
gcataatgag	agcagagact	acacctgtcg	gttcagtatt	ctatcctcag	cacatagaat	420
ggtacctggc	acatagcaga	tgctaaaata	aaattttaa	gaataaatta	attcaatcaa	480
caccttcaag	gtgttattat	tacctacaac	tattgtttac	aagaggtatg	caccgtggaa	540
gatcctggag	acacaacaat	gaataaagcc	aagccagttc	ctgcccccg	ggagcttgta	600
gtcaagacat	tgaacaagt	atcagaaaga	tggtgactgc	tgacagagag	ggttgcaagc	660
tgctcatgag	tatataacaa	gtagccctaa	ccaaagcatt	ctctcccttg	gtttaatgtc	720
caccattga	ggtgactgct	aaatacta	ccatgactct	atcccttggc	attcaaactc	780
acacatccac	ttacctgcct	ctccaacctc	atctccctcc	actcacaaga	gccatcata	840
ttattcatca	aaatgaaact	gcaccagtt	cttctgaaca	tattacttta	caaaactttc	900
atztatgcct	ggtgactctc	atcaggcatt	caaaagcttt	ccctcagtc	ttcagggctc	960
ttccttttct	tccctttata	catacacctt	tatgtatctt	catacgtacc	ctgcataacc	1020
tcataatct	tagcattttac	catattctgt	tgaaaaactg	tttccatttc	tctttactta	1080
ctagaatgta	aacagatgca	caatgtttgag	aaaatgaaaa	gtgacaactt	tgtttacaag	1140
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taaaagtga	gaaaaatggt	aacagagagg	gaggaatcaa	aaacaaagaa	ctattttaan	1260
aaaaaaaaaa	gcaagtcctt	gaaacttgga	gctaattgact	gtattagaca	agggataaga	1320
gccaagaaga	gttgaaacca	agaagggacc	aagtagtggc	tctt		1364

<210> 196

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 063539.1

<220>

<221> unsure

<222> 720, 795, 807, 816, 833, 838, 844, 858

<223> a, t, c, g, or other

<400> 196

ccgaatagac	tgaagtcctt	ttgaccccag	atcacatgcc	tgttttgtcaa	tgatggctgt	60
ttatgaagtg	gtctctttga	ggtggtgggc	atctggcagg	gtcagtagag	cttagattga	120
gccttggtcaa	ggccctgggt	gatgagtgagg	atttagtttc	tctagctgtg	aaattgaaag	180
gatgctatct	aatagtgc	ttaggagaga	aatattttgt	ctgttgaata	ctttcaaaat	240

PA-0028 US

```
atcattacaa tgtacatgct gtgctataacc atatagatac attggagcca gtgtctcgcga 300
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acagctctgt ctgaagggtgc accaacctta caaggaagat caaacagcaa gcctgttctt 420
tgaagaatac ttcttttatta tcattaaaaa aaatttaggt tgcttgacc caaaggcaaa 480
aaatagccat tcctcgact gaaagaaaca agttactcag ataggaaaga agaacagata 540
tttaataagg aaatatctct tctgttccc actttcagga ggcctcttaa gacatgaaga 600
ggaccaaaat aacaattgca gtataacttc acatggtggg gtggggggtg tggagttaa 660
atgtggttga tcaaaaatagt gttgttactt tccttttagac ttgattccaa catgtaaaan 720
aatcaggcac tttagtggga gtgattttta cttcagtagt gaaagggcaa tgccattaag 780
agttagggga gtgtntctca aacttctntcc tcagangtgc tttagaaatt gantaccntt 840
gggntgaatt taatttttngg aatat 865
```

<210> 197

<211> 2216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 083032.1

<400> 197

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actatcttct ctgaataagt tctggacttc accttaaaat aagtttttag gagagtaata 120
tatattcatg ggattgtgag ggagcattgt agagctgttt tcttctcagt catagtgggtg 180
gttttcctag ctgctatgga aaggtttgtt cacttatgag attaggactt ttcttaaat 240
cctcattaaa tatgaaccta aggcataccc atcatttacc ttgattccca tataatttgt 300
gtaagtcata tataagtcca ttgacaaaat aaaaaataaa ataattggat tccttgtatc 360
aacagaaagc cttgtgctta aaacctgtta ttcttctttg agccagacta aacagtaaca 420
tttacaaaat ggtatcagct caacattaaa tctaagggtta cttctcacat acatcataaa 480
gtcagccatc atctttcatt taggatttct tgggggtttc tttttgcata tatagattat 540
gtattactta aatcccaaat acctgtgtgt tattttttcc tatttttgtt acttaataata 600
taatgtttga tgagtatatc caattgacta taatcttcta agtcaaaaag aaaacattta 660
agtacataat ataaaaagaa ctgaacatta acagtaattg ggaaattcat aatggctaaa 720
tatgaaataa gctttgtctt tgcagttaca aactaattct tgtacatttt ccttttcact 780
aaaaaaaataa ctaattgata gtttccattc acatgaacaa gttataatca ggtttgggat 840
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ctggaacaaa ttaagatttc atgtacaata gagtcccttt cctaatactg ttatgaagaa 960
accaagttga ctaccttatg agagatcaga tatttccctt atctcattat attcacagca 1020
tatgtttgga catgcgtttc accaagaacc atgtagtaat aagataaatg gtaactgagg 1080
tactatggaa tttttagaac ttgattcccc aggacatgct acagtaaaact aaactattta 1140
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taaaacaata cttaaatgag aattctgtgt cttttttggg tttatctgtg atttattttt 1260
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tctattatct aatcatctat ccatttatta attcaacaaa tatttattaa agtgcctacc 1680
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gcatcataag catgtctgaa gcaaaaagaca ataatcacat ccaacggcac cagttcagct 1800
caactttaga attcagcagt aacagtacag atggcctaaa gtacatctgt gtgtatctgt 1860
acgtgtgcac acacctatgt atatatattt atctatctgt acaaacacta catatgtata 1920
cacactatct atgtaaaata taatatatgt ataatgcata taaattctaa caagtgtatt 1980
tgtgttatct ttaaaataga acaattgtat cttgaagtgg taaatgcaga gaattgggtt 2040
tattgttgat ctgtggattt aatgatttct aggtgaaaag gacgtttaag tgtacaattt 2100
cttttcttaa tttaatatat ttatgtaaat gcatgcctga aatttggtta gattggctgt 2160
gttttgtgtc ttttaacatg atcaaatgat taaactttat cttatgactt gaaaaa 2216
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<210> 198

<211> 741

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<210> 201

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 463861.1

<220>

<221> unsure

<222> 779

<223> a, t, c, g, or other

<400> 201

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tccagaggca gcggggatgc gttggctctg ggggcaccag tgtgacaggg cagggcaccg 120
agctgtggcc gaggggcaga gtgtcagagg gcctcctggg gaatgctgtc tctggcagag 180
aggcagactg cctccactga ggggaagagga tctgaggata gagaatggcc ggtaagaagg 240
gagagaagtc cttgccccag gggacagggg tgggtggttt ctgagctaaa caagatgagg 300
cctgggacta ttcaggctcc tggcagtggg ggctgagcct aaagcagagg gcactctaag 360
gccagggaga aagtggcagc tgctccaggc aggcacaggt ctggaaccag agcatccctg 420
accaaaccgg gggactgtga gtcatgcac tcatggcatc tgggggcatc taggagggtc 480
tctctgtccc aggcctcctt attctgcgcc tgctctcaac tggttcctat tttatagggtg 540
gtttctgggtc tttgtcagct gcctgacatc tggagactca attaatgctc catgggtcttc 600
gagctcctgc agctgggggc tggggctggg ggactggggg tttgaaaatc ataatagcat 660
tcattaaaaa tgatcacaat agcatttatt aagcacttgc tgtgtgctag acattgtgcc 720
acggacatct tgtatattat ctcatctcat cctcaaaaat tcctgatgtt ctcttagana 780
agaggggact ttggcttagc aggggttgatt catcc 815
```

<210> 202

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474976.9

<400> 202

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gctcgaggta catcattggg aatggagggg aataaatgac tggatgggtc ctgcttttta 60
agtttcaaat tgacattcca gacaagcggg gcctgagcct gtgcctgtct tcagatcttc 120
acagcacagt tcctgggaag gtggagccac cagcctctcc ttgaataact gggagatgaa 180
acaggaagct ctatgacaca cttgatcgaa tatgacagac accgaaaatc acgactcagc 240
cccctccagc acctctacct gttgcccgcc gatcacagcc ggaatgcagc tgaaagattc 300
cctggggcct gggtccaacc gccactgtg gactctgagg cctctgcatt tgtgggtggt 360
ctgcctgtga tattttgggt atgggctggt ctggctgggt tcccatttgt ctggccagtc 420
tctatgtgtc ttaatccctt gtccttcatt aaaagcaaaa ctaaagaaaa cag 473
```

<210> 203

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 898688.1

<220>

<221> unsure

<222> 590, 592, 724

<223> a, t, c, g, or other

<400> 203

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ggggggagat cacattcatt cttcaagaac attaatttct taatatcgct ctccattctt 60
atcaaagctt tcagtgggtt cctgttgtct ataaacataa tagaaaaata tttagtttgc 120
```

PA-0028 US

attcagtcctt	acaaagtgtg	acttcaagtt	actttctttt	ccactcttat	tttccatctt	180
gttggtgttt	actgtgtcta	aaatatgtgc	tatatatgaa	ttataaaatt	atgtagacaa	240
tatagataac	cttgatcatc	gatctaattt	ttaaaaagtg	aatttgaata	ctgccaaact	300
aaggagtatg	tgtagtatgg	agaatttgag	aaagacaagt	atcagtaaag	aagaaacagt	360
atagtaaaac	aaaatttttt	tctgccttgg	tccattgaaa	gaaatattta	gtttcatata	420
atgtgaacaa	aaaccttaat	tttgaatgaa	catttgatac	ataggaactc	attcaaatac	480
ttgattttct	ggttaacttt	gttagtagtt	tgtttttttc	tgagtctttt	gttttaatac	540
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acttattctt	aaaaatattt	ccagaatgtc	ttacacacac	atacacttag	aaacaaatac	660
aaatatatag	tgatattctc	tcacatttta	cagagaaaag	cgtagtatac	atactttgtt	720
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tttttttcat	aat					793

<210> 204
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 898688.2

<220>
 <221> unsure
 <222> 27
 <223> a, t, c, g, or other

<400> 204						
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gacctggggc	atgggtggat	tcgggtggggg	gggcgggggg	ctgtgtcagg	atgctaacc	180
cagggtgttc	tgatttttaa	taagctgcta	tccttctctg	tatattcata	ctgcatgtta	240
tgagcaaaa	gggagagaag	tcgccaactt	tttgagagaa	aagaataaaa	tcccagactt	300
tatttttggg	atcat					315

<210> 205
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 984111.1

<220>
 <221> unsure
 <222> 61, 1173
 <223> a, t, c, g, or other

<400> 205						
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ngggaaggaa	gagcatttca	gacagagaga	acagagtaaa	ctaagatcta	gtgatgtgaa	120
ataatggagg	attcaagact	ctaacagaaa	catggctccc	acataaacat	aagaaggatt	180
gcagaagagg	ggggcagaag	ccagatcatg	aaaatacatc	tatacattgc	taagaagttt	240
agcatacaca	gtacctttgg	aatattttta	tcaggggaaa	gacgaagtta	tgtttttagaa	300
agaatacttc	agtaacaatg	tgacagatga	attgaaggaa	agatgagtac	agcattagag	360
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<210> 206

<211> 1907

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1416548CB1

<220>

<221> unsure

<222> 2, 44-46, 50-52, 1885

<223> a, t, c, g, or other

<400> 206

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<211> 4282

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1385527.4

<400> 207

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gagtgggcct	cgattctaca	ggttattatg	accaggaaat	ttatggtgga	agtgacagca	180

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ccaagaacac	agtgattata	tacactatac	tgaggaggatt	tcatttttta	ttcatcttta	4200
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<213> Homo sapiens

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<211> 2034

<212> DNA

<213> Homo sapiens

<220>

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<400> 209

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<210> 210

<211> 4711

<212> DNA

<213> Homo sapiens

<220>

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<400> 210

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<213> Homo sapiens

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<223> Incyte ID No: 148793.3

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US
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<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1075696.8

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1075696.1

<400> 247

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<211> 571

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 545

<223> a, t, c, g, or other

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<210> 249

<211> 1339

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1418210CB1

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PA-0028 US

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<211> 2386

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 995929.27

<220>

<221> unsure

<222> 1907, 2297

<223> a, t, c, g, or other

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<213> Homo sapiens
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<211> 3764
<212> DNA
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195

PA-0028 US

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<222> 600

<223> a, t, c, g, or other

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<210> 256

<211> 2729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1360501CB1

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cattacagaa	aaatgttgct	acaccaacaa	ctggaacaa	tcctaaagga	acaatcacca	300
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agtctcaagt	aataggcact	gagggtggaa	aaaatgcaag	cacttcagca	accagccggt	660
cttattccag	tattatthttg	ccggtgggta	ttgctttgat	tgtaataaca	ctttcagtat	720
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<210> 257
<211> 446
<212> DNA
<213> Homo sapiens
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<400> 257						
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aattacttaa	aatgtctctg	atgtcaacag	ctactttttt	aacaagtaaa	gatgaaggat	180
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cttctaaaac	tgggatcatt	aacctcaata	ccagtttaca	attccagaaa	acacctaaca	420
gtctcaagta	ataggcactg	aggggtg				446

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<210> 258
<211> 1877
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 1398165.2
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201

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tgggatatgc cttccagtgc cacagggccca ctcaccccat gcatctctgt cctgcccgtc 960
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tcatggcgtg aaaaaaa 1877

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<210> 259
 <211> 631
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 900086.1

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<400> 259
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tcctctgata ctgtgcccc ttggagatat ttccgtctc caccacgtg tctgtggctg 180
gaactgccc gcctgtctc ggccccctgg aagcctccc acagctggtg atctggactt 240
aaggattgct gggccaccgc ctctctgct accaccatt catatttaag tggagcccct 300
acgtagaaag gccccggggc tttatttttag tctcctttc agggatgtcg tggcgggggg 360
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gagcaaaata catggagacg acgcaccctc caggatgtc gctgggattc ccacgccac 540
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gaataaagcc aaggcttctt cccaaaaaaa a

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<210> 260
 <211> 2154
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 361583.16

<220>
 <221> unsure
 <222> 2106, 2150
 <223> a, t, c, g, or other

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<400> 260
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aatacatcct atctgccaca catccagcgt gaggtccctc cagctacaag gtgggcacca 180
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<210> 261
 <211> 763
 <212> DNA
 <213> Homo sapiens
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 <221> misc_feature
 <223> Incyte ID No: 243902.21

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<400> 261
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<210> 262
 <211> 575
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 1327111.3

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<400> 262
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ggagaaaccc tgggaaggct cctgggtgtc tacccatgga cccagaggtt ctttgacagc 180

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taccactgag	ctcactgccc	atgatgcaga	gcttttcaagg	ataggcttta	ttctgcaagc	540
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<210> 263

<211> 1721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 398670.38

<400> 263

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<210> 264

<211> 1812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 398670.33

<400> 264

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PA-0028 US

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<223> Incyte ID No: 988704.26

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<223> Incyte ID No: 1820904CB1

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PA-0028 US

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<213> Homo sapiens

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<223> Incyte ID No: 228434.9

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<222> 1782-1800

<223> a, t, c, g, or other

PA-0028 US

<400> 270

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<211> 2470

<212> DNA

<213> Homo sapiens

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<221> unsure

<222> 890

<223> a, t, c, g, or other

<400> 271

PA-0028 US

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REPORT

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

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<213> Homo sapiens

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<223> a, t, c, g, or other

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<213> Homo sapiens

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<223> Incyte ID No: 013705CB1

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 209356CB1

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PA-0028 US

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<213> Homo sapiens

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PA-0028 US
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 <223> a, t, c, g, or other

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PA-0028 US

<220>

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<211> 210

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<213> Homo sapiens

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<223> Incyte ID No: 033177.1

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<211> 1389

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<213> Homo sapiens

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<223> Incyte ID No: 1356660CB1

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<213> Homo sapiens

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2515378CB1

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 1383215.14

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<211> 3189

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<213> Homo sapiens

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<223> Incyte ID No: 2960079CBI

<400> 333

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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PA-0028 US
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253

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PA-0028 US

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PA-0028 US

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<211> 5757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 6169813CB1

<400> 349

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PA-0028 US

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PA-0028 US

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PA-0028 US

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POLYMER LETTERS

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<211> 366

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 070790.23

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 234671.68

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<211> 2070

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 233496.3

<220>

<221> unsure

<222> 2038

<223> a, t, c, g, or other

<400> 377

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<211> 3827

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 391185.17

<220>

<221> unsure

<222> 1002, 3206

<223> a, t, c, g, or other

<400> 378

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<223> a, t, c, g, or other

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PA-0028 US

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<210> 385
 <211> 1782

PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1098806.40

<400> 385

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<210> 386

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 478961.1

<400> 386

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<210> 387

<211> 703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 205723.6

<400> 387

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PA-0028 US

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<210> 388

<211> 1418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 979241.2

<400> 388

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<210> 389

<211> 1991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 200119.1

<220>

<221> unsure

<222> 1988

<223> a, t, c, g, or other

<400> 389

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aacgcggaga acatgtacta cttctcagag cttggccctga ccctcaacga gcacgaggag 180
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PA-0028 US

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<210> 390

<211> 2389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1270681.1

<220>

<221> unsure

<222> 1021

<223> a, t, c, g, or other

<400> 390

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<210> 391
<211> 2700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1168293.1

<220>
<221> unsure
<222> 542, 842
<223> a, t, c, g, or other
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320

PA-0028 US

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<210> 392

<211> 1394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 238434.10

<220>

<221> unsure

<222> 26, 65

<223> a, t, c, g, or other

<400> 392

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<210> 393

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 475444.8

<400> 393

PA-0028 US

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<210> 394

<211> 3195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 201572.10

<400> 394

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PA-0028 US

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<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 232355.18

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<210> 396

<211> 1973

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 244230.4

<400> 396

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<210> 397

<211> 2599

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2720354CB1

<400> 397

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PA-0028 US
<211> 1526
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<213> Homo sapiens

<220>
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<211> 833
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 988704.22

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<211> 708
<212> DNA
<213> Homo sapiens

PA-0028 US
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 <223> Incyte ID No: 995526.6

<220>
 <221> unsure
 <222> 5, 7
 <223> a, t, c, g, or other

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 <211> 899
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 <213> Homo sapiens

<220>
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<220>
 <221> unsure
 <222> 718-769
 <223> a, t, c, g, or other

<400> 401
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 <222> 80, 82, 84

PA-0028 US
<223> a, t, c, g, or other

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<223> a, t, c, g, or other

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<211> 2040

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 1383691.1

<400> 404

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<210> 405

<211> 173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 474606.1

<400> 405

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<210> 406

<211> 627

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 034306.1

<400> 406

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<210> 407

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 981727.4

<220>

<221> unsure

<222> 267, 322

<223> a, t, c, g, or other

<400> 407

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<210> 408

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 983416.1

<220>

<221> unsure

<222> 29, 46, 132

<223> a, t, c, g, or other

<400> 408

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<211> 300

<212> DNA

<213> Homo sapiens

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PA-0028 US

<223> Incyte ID No: 983416.2

<400> 409

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<210> 410

<211> 296

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 399998.1

<220>

<221> unsure

<222> 104, 114, 133

<223> a, t, c, g, or other

<400> 410

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<210> 411

<211> 695

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 984000.1

<400> 411

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<211> 300

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 984000.2

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PA-0028 US

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<210> 413

<211> 1189

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 403464.1

<400> 413

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<210> 414

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 981730.1

<400> 414

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<210> 415

<211> 657

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 981730.2

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PA-0028 US

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<210> 416

<211> 2329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2398075CB1

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<210> 417

<211> 109

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 031914.1

<400> 417

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<210> 418

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 009859.1

<400> 418

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<210> 419

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 228505.1

<400> 419

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ttttgtcact atagtttgaa tttcctggag tttttaaata tctttttata cagagtgaaga 180
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ataaatagct ttttagtggtta cacttgagat tataacatgc gttcttgact tatcaatgtc 360
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gccacatat atgccactat cattgtgttt tacccttctg tgactttcta gggtcatttc 540
ccttccacct gaagtacccc tactattatt tccttttagag gaggtctgct gatcatctca 600
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<210> 420

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 982055.1

<400> 420

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ataaaactga caaagagccc aaggcggatc aatactttta gaaaatggag aattatgctt 180
tagaaaccac agacctgaag ttttgctact cttctttcaa aaactgtttt ccagaaatca 240
gtcttaaaac actaagaaca aaatgaaatc aagcaaggca gaaccagccc caattaaaaa 300
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335

PA-0028 US

<210> 421
<211> 150
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 982055.2

<220>
<221> unsure
<222> 8, 15, 32, 57, 97-98, 100, 103, 133-134
<223> a, t, c, g, or other

<400> 421
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tatacagact ttnttggaatt tcatgttaaa 150

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<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 238434.7

<400> 422
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<211> 441
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 038699.1

<220>
<221> unsure
<222> 42, 83, 94, 101, 119, 142, 148, 166, 170, 173, 182
<223> a, t, c, g, or other

<400> 423
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<210> 424
<211> 176
<212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 038699.2

<400> 424

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<210> 425

<211> 416

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 173222.1

<220>

<221> unsure

<222> 19

<223> a, t, c, g, or other

<400> 425

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taagatgaac cccactcccc acagtcccgc tgtcgctaca aattaaatgt ttctttcttt 180
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gctgatacat tgcatattta tgaaaagtaa cttttctaaa gccaaataaa tagaagagtg 360
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<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 173093.1

<220>

<221> unsure

<222> 65, 250

<223> a, t, c, g, or other

<400> 426

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actttcatan gtgagaactg ggttttgaag tgtcaaaggg aagcagttag aagcaaatg 300
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<211> 819

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 032858.1

PA-0028 US

<220>

<221> unsure

<222> 80, 100, 691

<223> a, t, c, g, or other

<400> 427

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<210> 428

<211> 1067

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 239410.10

<220>

<221> unsure

<222> 279, 282, 288, 293, 310, 554, 579

<223> a, t, c, g, or other

<400> 428

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aattagatta	ggcttaggtc	tgactgcct	tccttcactc	cgctctgtca	cttgccatca	960
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<210> 429

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 033838.1

<220>

<221> unsure

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 028772.1

<400> 432

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gttgggagca gaaagttaat atgaaggagt tgctacttgt taacagccta gagttgagat 180
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<210> 433

<211> 1733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 199887.1

<400> 433

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cttaaactcct ctactctaga cccaaagttt ggagagctat attatttaaat aagttgtttg 180
tgacagcctt gttacctttt tcatattgatt tgaggagaa agactgtgat cctgacagat 240
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ccatgcattc tgtcccagga tgtcaaagtc ataagaatca ggggtcccctg aaataaaaatc 360
actgaaaaga tatgttctgt tatatattat ttaaaaaatt tatctggtgc caccaaagaa 420
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<210> 434

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0028 US

<223> Incyte ID No: 245021.1

<220>

<221> unsure

<222> 572, 598, 619, 635

<223> a, t, c, g, or other

<400> 434

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gactgccatc caaaaacctt tatcaccaaa tttgttcagt gtttgctatt gggagattgt 180
ccatatccct ccgtaattaa gggccagcaa gtaatacgat cttcttacag ccaaccttgc 240
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ttttattcaa tgtgacctat aatacatttc tgattccttc tgtattgaat gtcccagttt 720
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<210> 435

<211> 1663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 167998.1

<400> 435

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cagtttgtag aaccccagta agcgcatgga ggtgagtttc tacttcgact tgtggcgaca 240
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<211> 446

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 194251.1

<400> 436

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<210> 437

<211> 3157

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 998143.10

<400> 437

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<210> 438

<211> 3239

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 241624.1

<400> 438

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<210> 439

<211> 4546

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 346511.8

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<221> unsure

<222> 2849-2944

<223> a, t, c, g, or other

<400> 439

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US
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PA-0028 US
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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 3464877CB1

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 <223> a, t, c, g, or other

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<223> a, t, c, g, or other
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<211> 2390
<212> DNA
<213> Homo sapiens
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PA-0028 US

<223> Incyte ID No: 249096.10

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<222> 1010

<223> a, t, c, g, or other

<400> 464

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<211> 4666

<212> DNA

<213> Homo sapiens

<220>

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<222> 3780, 3782

<223> a, t, c, g, or other

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PA-0028 US

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<211> 665

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 234630.47

<400> 466

PA-0028 US

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<211> 1417

<212> DNA

<213> Homo sapiens

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<400> 467

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<210> 468

<211> 2031

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1383454.2

<400> 468

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PA-0028 US

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<211> 868

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 475203.6

<220>

<221> unsure

<222> 44

<223> a, t, c, g, or other

<400> 469

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PA-0028 US

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PA-0028 US

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PA-0028 US

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2011-12-01

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383

2017

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384

PA-0028 US
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<211> 987

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 222839.1

<400> 494

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4511339CB1

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<211> 2755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1382920.30

<400> 496

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<211> 1685

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2372662CB1

<400> 497

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 <213> Homo sapiens

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 <221> unsure
 <222> 517, 533
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PA-0028 US

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PA-0028 US

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POLYMER LETTERS

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US
<211> 1600
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<213> Homo sapiens

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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<211> 1878

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<213> Homo sapiens

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PA-0028 US

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2025 RELEASE UNDER E.O. 14176

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PA-0028 US

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<210> 560

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1640555CB1

<400> 560

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<210> 561

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1040479.5

<400> 561

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PA-0028 US

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<211> 1155
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<213> Homo sapiens

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<220>
<221> unsure
<222> 344, 394
<223> a, t, c, g, or other

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<210> 563
<211> 1377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4847977CB1

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<220>

<221> unsure

<222> 1350

<223> a, t, c, g, or other

<400> 563

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<210> 564

<211> 1466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4911716CB1

<400> 564

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<210> 565

<211> 1014

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 232898.20

<400> 565

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<210> 566

<211> 1994

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1985219CB1

<400> 566

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<210> 567

<211> 2743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 382911.9

<400> 567

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PA-0028 US
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<223> a, t, c, g, or other

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PA-0028 US

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tttgccaaga tgggatggg agggggtatg agactggca gagctcggg gcagcagggc 1560
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cctgcccccg gccaggtgt ctcgagggt ggtgcccac ggcctgggtg tggctggaat 1800
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gcctccggc 1869
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<210> 574

<211> 1057

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 443762CB1

<400> 574

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PA-0028 US

```
agcccccattgg cccgcgctgc tctctccgcc gccccagca atccccggct cctgcgagtg 120
gcgctgctgc tccgtctcct ggtagccgct ggccggcgcg cagcaggagc gtccgtggcc 180
actgaactgc gctgccagt gttgcagacc ctgcagggaa ttcaccccaa gaacatccaa 240
agtgtgaacg tgaagtcccc cggacccccc tgcgcccaca ccgaagtcac agccacactc 300
aagaatgggc ggaaagcttg cctcaatcct gcatccccc tagttaagaa aatcatcgaa 360
aagatgctga acagtgacaa atccaactga ccagaaggga ggaggaagct cactgggtggc 420
tgttcctgaa ggaggccctg cccttatagg aacagaagag gaaagagaga cacagctgca 480
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tgtgtggtca acattttctca tgttgaaact ttaagaacta aaatgttcta aatatccctt 960
ggacatttta tgtctttctt gtaaggcata ctgccttggt taatggtagt tttacagtgt 1020
ttctggctta gaacaaaggg gcttaattat tgatgtt 1057
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<210> 575

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 246574.11

<400> 575

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tgctgagccc catggcccgc gctgctctct tccgcccgcc ccagcaatcc cgggctcctg 120
cgagtggcgc tgctgctcct gctcctggta gccgctggcc ggcgcgagc aggagcgtcc 180
gtggccactg aactgcgctg ccagtgcctg cagaccctgc aggggaattca cccaagaac 240
atccaaagtg tgaacgtgaa gtcccccgga cccactgcg cccaaaccga agtcatagcc 300
acactcaaga atggggcgga aagcttgctc caatcctgca tcccccatag ttaagaaaat 360
catcgaagg atgctgaaca gtgacaaatc caactgacca gaagggagga ggaagctcac 420
tggtggctgt tccgaagga ggccctgccc ttataggaac agaagaggaa agagagacac 480
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ctattttatt aattattcat tagttttgaa gattctatgt taatatttta ggtgtaaaat 600
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tgtcaacccc aagttagttc aatctggatt catatttaat ttgaaggtag aatgttttca 720
aatgttctcc agtcattatg ttaatatctc tgaggagcct gcaacatgcc agccactgtg 780
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aaataaagca cttatagaaa aaaa 1104
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<210> 576

<211> 1571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1382902.13

<220>

<221> unsure

<222> 1568

<223> a, t, c, g, or other

<400> 576

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tccatgaggt atttctacac cgccatgtcc cggcccggcc gcggggagcc ccgcttcac 180
```

PA-0028 US

accgtgggct	acgtggacga	cacgctgttc	gtgaggttcg	acagcgacgc	cacgagtccg	240
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acacagatct	ccaagaccaa	cacacagact	taccgagaga	gcctgcggaa	cctgcgcggc	360
tactacaacc	agagcgaggc	cgggtctcac	accctccaga	ggatgttttg	ctgcgcacgtg	420
gggcgggacg	ggcgctctct	ccgcgggtac	caccaggacg	cctacgacgg	caaggattac	480
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cccccaaaga	cacacgtgac	ccaccacccc	atctctgacc	atgaggccac	cctgaggtgc	720
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gaatatgaat	ataaatttgt	tttctcaaat	atttgctatg	agaggttgat	ggattaatta	1500
aataagtcaa	ttcctggaat	ttgagagagc	aaataaagac	ctgagaacct	tccagaaaaa	1560
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<210> 577
<211> 1389
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 1382902.19
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gaagacagtc	cctagaatac	tgatcagggg	tcccctttga	cccctgcagc	agccttgggg	180	
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gtccaccgtc	cccattcgtg	gcattgttgc	tggcctggct	gtcctagcag	ttgtggtcac	840	
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<210> 578
<211> 811
<212> DNA
<213> Homo sapiens
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 $\langle 220 \rangle$

PA-0028 US

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ccgtctggcc	tgcccccgcg	ttccaaccac	agtgggtgaag	cagcgcttgc	agatgtacaa	2100
ctcgagcac	cggtcagcaa	tcagctgcat	ccggacggtg	tggaggaccg	aggggttggg	2160
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cttcatcacc	tatgagttcc	tgcaggagca	ggtcaacccc	caccggacct	acaacccgca	2280
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<210> 580

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1081573.17

<220>

<221> unsure

<222> 254, 332

<223> a, t, c, g, or other

<400> 580

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gagaagagag	tgaaaagacc	gcttacctga	tttgaaattg	tctgcagccc	ctctttcctg	180
gagtaaata	actggaccaa	atctcaaaaa	tccacgatgt	catcggcaca	cccgtctcaga	240
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gatcaggaat	acctctacta	acaaccaatt	tntccccaca	atgcctctcc	ctcctgcacg	360
caatgggtggc	ctatgatccc	gatgagagaa	tgcgcgccc	ccaggccctg	cagcaccctt	420
acttccaaga	acagagaaac	agtccctaaa	gcaagaggag	gaccgtccca	agagacgagg	480
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gcagaccgt	cgtctcgact	tccggaggcaa	caccaagccc	gaccgggcca	ggcctgggtg	780
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agaattttgg	gcaggaaata	ctttgttaact	ttgtatatga	atcaaaacaa	acgagcaggc	1020
atttctgtga	tgtgttgggc	gtggttgga	ggtgggttct	gcgtgtccct	tcccagcgct	1080
gctggtcagt	cgtggagcgc	catcatgtct	taccagtgc	gctgctgaca	cccctgactt	1140
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<210> 581

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2883526CB1

<400> 581

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taggaaaatt	cctatccaga	ggctggagag	ctacacaaga	atcaccaaca	tccaatgtcc	240
caaggaagct	gtgatcttca	agaccaaacg	gggcaaggag	gtctgtgctg	accccaagga	300
gagatgggtc	aggattcca	tgaagcatct	ggaccaata	tttcaaaatc	tgaagccatg	360
agccttcata	catggactga	gagtcagagc	ttgaagaaaa	gcttatttat	tttccccaac	420
ctccccagg	tgagtggtga	cattatttta	ttataacatc	cacaaagaga	ttatttttaa	480
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PA-0028 US

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<210> 582

<211> 1087

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1291998.1

<400> 582

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tttctacttt	cctggaaatc	ccaggatgct	gcatttgctc	agcagattta	acagccact	180
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atccaattct	ccaaactgaa	gctcggcact	ctcgccctcc	agcatggaaa	gtgctctggc	360
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<210> 583

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 452327CB1

<400> 583

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<210> 584

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

PA-0028 US

<223> Incyte ID No: 2685676CB1

<400> 584

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<210> 585

<211> 1568

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 347357.2

<400> 585

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<223> Incyte ID No: 1924205CB1

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<212> DNA

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PA-0028 US

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<213> Homo sapiens

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PA-0028 US

<223> Incyte ID No: 474457.35

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<211> 644

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<213> Homo sapiens

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<223> Incyte ID No: 474457.45

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<213> Homo sapiens

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<223> Incyte ID No: 3886578CB1

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<210> 602

<211> 991

<212> DNA

<213> Homo sapiens

<220>

PA-0028 US

<221> misc_feature

<223> Incyte ID No: 474457.44

<400> 602

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PA-0028 US

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PA-0028 US

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PA-0028 US

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FOR INFORMATION

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<223> a, t, c, g, or other

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

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<223> Incyte ID No: 347941.1

<220>

<221> unsure

<222> 355-356

<223> a, t, c, g, or other

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<211> 2914

<212> DNA

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<221> unsure

<222> 2740, 2749

<223> a, t, c, g, or other

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<223> Incyte ID No: 1261879CB1

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<223> a, t, c, g, or other

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PA-0028 US

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<211> 1935

<212> DNA

<213> Homo sapiens

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<220>

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<223> Incyte ID No: 1097794.3

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<221> unsure

<222> 934, 936

<223> a, t, c, g, or other

PA-0028 US

<400> 633

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<211> 2174

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<213> Homo sapiens

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<221> misc feature

<223> Incyte ID No: 161190CB1

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<213> Homo sapiens

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<223> Incyte ID No: 2626024CB1

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PA-0028 US

<221> misc_feature

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<223> a, t, c, g, or other

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<212> DNA

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PA-0028 US

<210> 658

<211> 1001

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 899263.1

<400> 658

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<211> 2132

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 233104.1

<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 659

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<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 233720.12

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<210> 661
<211> 3180
<212> DNA
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<223> Incyte ID No: 233720.7

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POLYMER LETTERS

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<211> 1941
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<213> Homo sapiens

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510

PA-0028 US

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<211> 3180

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 903616.2

<400> 663

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<223> Incyte ID No: 475203.8

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<211> 2095

<212> DNA

<213> Homo sapiens

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<223> a, t, c, g, or other

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<210> 669
<211> 374
<212> DNA
<213> Homo sapiens

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<223> Incyte ID No: 319136.16

<220>
<221> unsure
<222> 334, 350
<223> a, t, c, g, or other
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gagaggccca cccttccgtg gcagctgagc ccgtctctga acacaaacca gacctcctgt 240
gtccacagct gtagctttca ggtcaatgcc agcatgttct gtcttccatt ccaccattgc 300
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tctccagaga gctg 374
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<211> 2070
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 234313.39
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gcatcattag tcttagccag atgctacttg cccagcagat aattcaacta tcaaagaaga 180
aggagagaat ggccagactg ttctgtgtgg tatgggggag ttacatatag agattattca 240
tgatogaatc aagagggaat atggactgga gacctatctc gggcctctcc aggtggcata 300
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tcgagagacc	atcctaaact	cagttcgtgc	cacagatacc	ttagatagaa	ctttaggaga	360
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gcctgtgatt	gagtttgagt	atgctgaaag	tatcaatgaa	ggccttttga	aggtctccca	480
agaggccatt	gaaaatggaa	ttcacagcgc	atgtctccaa	ggaccattgc	ttggatcccc	540
aattcaggat	gtagcaatta	ctttacattc	cctgacaatt	catcctggca	cctccacaac	600
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<210> 671

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 008076CB1

<220>

<221> unsure

<222> 907

<223> a, t, c, g, or other

<400> 671

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aatggcttcc	ctggatgcag	agaaggccca	aggacaaaag	aaagtggagg	agcttgaggg	420
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gctgcagtga	gatcccagga	agctggcaca	tcttggaagg	tccgtcctgc	tcggcttttc	660
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ccccccagtg	ttaaaccggg	ggaccgaaac	cccgcgggga	ggggccccaa	aaagcccggg	1080
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aacaccgcc	gccccccc					1158

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<210> 672
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 480500.14

<220>
<221> unsure
<222> 91
<223> a, t, c, g, or other

<400> 672
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atttcttagagtcceaatcttctcaaactgagagaactgcttctgtctctggagagaca 180
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<210> 673
<211> 892
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 249096.18

<220>
<221> unsure
<222> 293, 295, 300
<223> a, t, c, g, or other

<400> 673
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<210> 674
<211> 1454
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature

<223> Incyte ID No: 981199.1

<400> 674

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<210> 675

<211> 2150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 227931.4

<220>

<221> unsure

<222> 2147

<223> a, t, c, g, or other

<400> 675

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<210> 676

<211> 4364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 244366.8

<400> 676

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<223> a, t, c, g, or other
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PA-0028 US

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 1095625.8

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<211> 1560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 977751.16

<400> 679

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<211> 1413

PA-0028 US

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<213> Homo sapiens

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<223> Incyte ID No: 227742.10

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<213> Homo sapiens

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<222> 667

<223> a, t, c, g, or other

<400> 681

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Introduction

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<211> 1265
<212> DNA
<213> Homo sapiens
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<212> DNA
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<223> a, t, c, g, or other
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PA-0028 US

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<220>

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<222> 79

<223> a, t, c, g, or other

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 403121.12

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PA-0028 US

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<220>
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<223> Incyte ID No: 1095625.6

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<213> Homo sapiens

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<221> unsure
<222> 1437
<223> a, t, c, g, or other

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<211> 499

PA-0028 US

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 267153.2

<400> 697

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<211> 1542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 267153.6

<400> 698

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<211> 2672

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 331451.18

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PA-0028 US

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<211> 1385

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 903616.5

<220>

<221> unsure

<222> 69

<223> a, t, c, g, or other

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PA-0028 US

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<210> 701

<211> 1987

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 990353.15

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<211> 1345

PA-0028 US

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 087978.5

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<222> 406, 477, 1342

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<400> 702

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PA-0028 US

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PA-0028 US
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PA-0028 US

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<212> DNA

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<222> 327, 451

<223> a, t, c, g, or other

<400> 707

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PA-0028 US

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<213> Homo sapiens

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<211> 734

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 978990.1

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<221> unsure

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<223> a, t, c, g, or other

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<211> 791

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 444850.11

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PA-0028 US

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<211> 992

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<223> a, t, c, g, or other

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<211> 2064

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1382987.2

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PA-0028 US

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PA-0028 US

<222> 477

<223> a, t, c, g, or other

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<211> 742

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 347049.8

<400> 730

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<210> 731

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 337352.2

<400> 731

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<210> 732

PA-0028 US
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 023151.1

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<210> 733
<211> 2302
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 338158.4

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PA-0028 US

<210> 734

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 212934.1

<220>

<221> unsure

<222> 434

<223> a, t, c, g, or other

<400> 734

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<210> 735

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 428130.1

<400> 735

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caatgctctg	gtaacggacg	tgtcctgctg	gctgggtgtc	agaaactccg	ctatcagact	240
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<210> 736

<211> 2580

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 399074.5

<400> 736

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PA-0028 US

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<210> 737

<211> 1024

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 221172.2

<220>

<221> unsure

<222> 84, 923

<223> a, t, c, g, or other

<400> 737

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<210> 738

<211> 549

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 113452.1

<400> 738

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<210> 739

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 029942.1

<400> 739

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<210> 740

<211> 1550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1382987.10

<400> 740

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PA-0028 US

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<210> 741

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 249096.16

<400> 741

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<210> 742

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 246609.1

<220>

<221> unsure

<222> 98

<223> a, t, c, g, or other

<400> 742

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aactccgggc tcggcgcttc ccctgcctcc cgcccgancc cttctgggcg gcaaggggag 120
ctgagccccg tggaagacca gagagagggg ttggaggcag cccctaaggg cccttcgcg 179
```

<210> 743

<211> 1777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 244366.14

<400> 743

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ggcagcaccc aactgcacgt ggcgcaacta ccgcagccag ctgaccctgg agccacgccc 180
gcgcgccctg cgcttcgcga gcaccacat catcttcccc aagcatgccg ggagcacttt 240
ccggaccacc ctgcactgca gcctggggcg gccagccgc tggttcaccg ccagcgtgca 300
gctgcagctt tgccaggacc ctgccccag cctcctgggc cctgccacgc tctgacgggg 360
ctggggcccg cccggggtgc tggaggagcc gggagccctg gggagaagcc gggaggatgg 420
acacgatgag ctcgccctgg cactcgggca ggaggcgga agggaggctg ccagaccaag 480
gacccgtgtg gaaggaggcg gctccccgt gcctgcctg acctacaggc taggtgggtg 540
tctccttggt ttggtgtcaa ggactcagta aaagcatcta ttttttagc acttaagctg 600
gcaaggcggt aggggcatgc actgttaggt ggtggccacc cccagggtca ggggaaaaga 660
atgggtccat agagtgcctt tgaagcagag aacagccccg agcagtgtga ggacagaggc 720
```

```
<210> 744
<211> 547
<212> DNA
<213> Homo sapiens
```

<400>	744						
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aggaaagcat	cagcataggga	ggtggatcag	aagcaaaggg	actcgtgtag	tttggagcgt	180	
gcatgcctca	tctaaaggca	acagcagcta	ctttggtctc	cctggcactt	atcttatagg	240	
actaggcctc	agtgttgcta	gactcttagac	aactttaaga	gaaatctgca	gtctgaattg	300	
ttatatgtgag	ttcttaactt	aaaaatatgc	atacagaaca	tttatctgta	aactgaattt	360	
ggatagaaga	ttactagctt	acatcccgtg	atgtagaaat	attttgaaca	tgtgcagtta	420	
aacctagaaa	actagaaaga	aaagaaaaaa	gatatgtaat	atctgaatta	ttcagatagg	480	
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atattttt						547	

```
<210> 745
<211> 2344
<212> DNA
<213> Homo sapiens
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<220>  
<221> unsure  
<222> 94, 143, 2332  
<223> a, t, c, g, or other
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559

PA-0028 US

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aagggtctgtg gtgcctccca cgtgggacct gtctgctggt atgtgttaaa cagcagaccg 840
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ttgagatatg ttcttcttac cttttaagaa gatactattt aagaagttaa ctattcagtc 1020
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cactcttgat gctgcatttg aaagctgaag gaattacttt agatagatag gaattgctac 1140
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aggggtctaatt ttttttttct taatgaaatc aagcatttta attcactgtg ggaggcatcc 1260
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ccgggtgtaaa aataatttcc aaggcatttc tgtttattct ttagtaaatct cactactggc 1560
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caggcaaggc ggaggttaag tcaatctcaa accccagaac ctgggaattg tgggtccagc 2280
ccatgtcatt cctcggaggc tgagaactag agacagtctg cgactggccc anagtcacac 2340
agca 2344

```

<210> 746
 <211> 412
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 1397728.1

```

<400> 746
tcttttccct tcttatcatt cttcttccaa agatctgctg tcacttgtcc cattttcccc 60
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ctcctggctg gcctcttttt cagcttctcc catatgacct ttcttggtac acatctttta 180
acaccagagt atatagtatg gcgcttaaga gattggctct ggatttataa agacctggat 240
tcaaatacaa gcttagccat tctccttgct agatgacctt cagcaagttt atccccctctg 300
agcctcagat tccttacctg tgaataatggg agtgccagc ctgggttggt ataaagattc 360
aattatactt ggataatata gattagtatt gtccctggcac agtaggtgta tt 412

```

<210> 747
 <211> 113
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 096421.1

```

<400> 747
ctccaccagc gccaccccca gctgaggcct tccttaaagc cagggtccact gccaggtgat 60
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```

<210> 748
 <211> 263
 <212> DNA
 <213> Homo sapiens

[illegible]

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<220>  
<221> unsure  
<222> 225  
<223> a, t, c, g, or other
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<210> 749
<211> 570
<212> DNA
<213> Homo sapiens
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ctatgaagtt	caatggttca	ccctttacca	tgtttgcagg	agatgatcga	atacagatga	180	
ccctgctgtc	gtgtcttcat	tgtataaatt	ctcctacaaa	tggagacatt	gaaggattat	240	
gtgtatggaa	atttttacaa	aattctcttc	tgtacctatt	ctgtagatgc	ctgtataatc	300	
ggtctggatg	tacagctata	aatgtgttgt	gagagcaaga	gagagagaat	gggtagagcc	360	
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ttaatgaaaa	gctgctgttc	atgatttgtg	tgtatagtga	gctgactgta	gtattttact	480	
attgtctgtt	aaaaaaagaa	aaactgtaat	ttatatcccc	tttgaacttt	attgtgttta	540	
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<210> 750
<211> 3836
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 198795.2
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<220>  
<221> unsure  
<222> 106  
<223> a, t, c, g, or other
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561

PA-0028 US

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aacaaattga aaagcagtcaggagaggtt cagatagaaa agtgctggag atacacatct 1020
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```

<210> 751

<211> 1315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 403987.1

<400> 751

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agtgggtctg gcgccgcacc ccggtgcag ctgtggcaaa ctgcaaacga tgacacacag 180
tgcttgacga gggcctttgt cagaagcaat tggggatctg gcgtcacctg cacaatggaa 240
aacaagtgcc ttctgcctgg ctggccagaa tgcacgtttg ctcactattg atgctggggc 300

```

PA-0028 US

atttacaggc	agaatgagtt	catgtgaaat	ttcaggatct	gccatgactc	agattcactt	360
tctgtaaacc	agagtcaaca	ttacatttcc	ctttactctg	ggccattcct	tgaattttta	420
ggtcaccagt	tgtttttgta	ctaactgaag	ggatttgagt	atttcacaag	caccttattt	480
ttattagcat	ttttagggca	ttaccaattt	gggacggatc	tgtagtgtga	gagattgttg	540
tcactcttag	ctccaaacat	aggttgactt	tatatattat	ttacatgttc	agaattatac	600
tgtgtagaaa	ttcaaataaa	acttgcaaaa	tacttttctg	gcaggaagcc	ctggagagga	660
tcgttcatgg	aaacaaggat	gacgactggg	gtaagaaatg	caggtgactc	gtgagtggtc	720
agggagtgga	agagaagacg	gctggaaggt	tttagcattc	agaaaaaaaa	atggagacaa	780
ctagagttga	atctgaagga	ttaatggcag	aattcaaata	ttgggggaaa	gaataccaag	840
atgggggggt	agaaaattag	aaacagcaga	gctccacagg	ttggaaaggt	ttggaaagga	900
tttgagcaag	agtacaagaa	ggagcctgct	aatagcacc	ctgggtttac	atcaaagaga	960
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ccaagagcgg	ggaaggaaaca	agaagctggc	cctgaacttg	aaggtacacc	caggtagctt	1080
gcgtgggcca	ggagaaggtg	attctcttct	atgcctctct	ccaaacgccc	tgcttctgat	1140
gctgctcctc	tacctgtatt	gaggggaaga	tacatcccta	agaagttccc	tgaaccccat	1200
tctttgttgt	ggctaactgg	tccccttgga	atttttctac	taattttcaa	ttccccctct	1260
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<210> 752
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 034851.1

<400> 752	
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tgctaagtgc	gtgagacctg ggcactgcag ccgactgcct gggttgaatg gttgaatctc 180
ggctccagct	cttgaccagc tatgtggcct tatggggggag tccgtcacct ttctgggcat 240
tagtt	245

<210> 753
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 189905.1

<220>
<221> unsure
<222> 48
<223> a, t, c, g, or other

<400> 753	
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tcgttt	66

<210> 754
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 002406.1

<400> 754	
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gttttgatga	aattcaactt atcagttttt cagttatagt atgtattttt atgacccatc 180
taagaagcat	ctgtctaccc agagttgcaa agatatccct tttcttacta gaaatattat 240

PA-0028 US

agttttattt accattgctt ctatgatata ttttaagtta

280

<210> 755

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116204.1

<220>

<221> unsure

<222> 371, 382

<223> a, t, c, g, or other

<400> 755

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tgggaaactt	ctttaacat	tttttttttg	agtagtgaga	ttttagcata	ttttggctaa	180
aatatgggga	aaaataatgc	ccagtgcgat	tacatgattt	tcctgggatt	gatagattca	240
tgtctcaatt	tccatcagag	aaaggagtg	gggtgggtgag	gaagggaag	tggtatggag	300
agttaggacc	ctttgccttc	tttcaggata	agaaagaaaa	ggaatagccg	agcttgccat	360
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<210> 756

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1097147.1

<400> 756

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aagatctttg	tagacaaat	ttaggctctg	caaattgggt	ctgcggcagg	actgaggtgg	180
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ggatgtggaa	tacattagt	accttacaaa	gttgggtggga	acagatactt	taccttctta	420
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cccgtgtgag	tgtagca					497

<210> 757

<211> 2777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 018917.3

<220>

<221> unsure

<222> 1289

<223> a, t, c, g, or other

<400> 757

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gtgagatcag	ccttctcctt	gacttggcac	ctaattatgc	ttcatgagat	cctagattcc	240
acctgatgca	attgtgtcca	gagcccca	ccaggatgga	gttgttttcc	ccagatatgg	300
ggttctattc	agccatagat	aatctagaca	gaggatttca	gaatgaaagg	aaaaatgtgt	360

PA-0028 US

ggagattagt	cctagttcat	tctgagggcc	gactaagtgg	ctcagccagc	ttcttactcc	420
atctgcagtt	catactgcc	aagagctccc	acttccaaat	ccccagtgac	tttatggaga	480
agattctgca	ttaaattgtc	tttcgaatga	tggggaagca	aggcataata	tgcgatgatg	540
aggagaaagt	agaccagtga	ggtgattgca	agactaacia	ggagactcaa	tgggaagttt	600
ttctttcttt	tagatattgc	ttttgaagta	gatggtaaaa	tttttgtcat	ccttcttgta	660
ttttttgtac	ccaaggttac	aatttttctt	cttctctgta	aataatttaa	acagtattta	720
tttttgtaag	gcataactag	aaactaaaat	atattctaaa	aaattcatta	ttctgaacia	780
agtgatcaaa	ttagaataca	tatttttcaa	cagtggtaga	gcttttaata	tatgtttatt	840
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<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 016106.1

<400> 758

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PA-0028 US

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 252683.7

<220>

<221> unsure

<222> 36

<223> a, t, c, g, or other

<400> 759

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<211> 1053

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 252683.4

<400> 760

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<212> DNA

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<221> misc_feature

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<220>

PA-0028 US

<221> unsure

<222> 135

<223> a, t, c, g, or other

<400> 761

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<211> 6652

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 230062.4

<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 762

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568

PA-0028 US

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<213> Homo sapiens

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<220>

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<223> a, t, c, g, or other

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PA-0028 US

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<213> Homo sapiens

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1598

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<223> Incyte ID No: 1598735CB1

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<211> 3810

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1383494.2

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<222> 90

<223> a, t, c, g, or other

<400> 769

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PA-0028 US

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<211> 3660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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PA-0028 US

<400> 770

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<211> 1045

<212> DNA

PA-0028 US

<213> Homo sapiens

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<223> Incyte ID No: 2189816CB1

<400> 771

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<211> 441

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1089172.8

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<211> 4606

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578

PA-0028 US

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<211> 3310

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 116944.1

<400> 774

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PA-0028 US

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PA-0028 US

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PA-0028 US

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<213> Homo sapiens

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1810

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<211> 2239

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<213> Homo sapiens

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<223> Incyte ID No: 233942.1

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<211> 3758

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1383816.3

<400> 787

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<211> 526

<212> DNA

<213> Homo sapiens

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<212> DNA

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<223> a, t, c, g, or other

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PA-0028 US

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<212> DNA

<213> Homo sapiens

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596

[illegible]

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597

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caggcctttg	ggaggccaag	gtggggaggat	cacttgagct	caggagttcc	agaccattct	1740
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<210> 802

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 020434.21

<220>

<221> unsure

<222> 1270

<223> a, t, c, g, or other

<400> 802

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ccagagatcg	aacctgggtca	ttgtggaaaa	agcaggatac	aatctcacct	gagttcggta	360
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cctcg						1325

<210> 803

<211> 2603

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 233594.3

<400> 803

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cgggcgaagg	gaagccgcga	agcaggtcct	ggggaagagc	tcgcctgctc	ctgaggggag	240
cagcgataag	atggcgcttt	gaaggggagc	cgaggccgag	tactctgtt	cgtcgggacg	300
ccgcctttct	aacgcgcgcg	tcggctcgca	ccactctggg	cctgctgccc	acactgactg	360
cgggggtocg	ggagagcggg	atgctggccg	gccgcgcctg	gcttcttgga	aagagcagga	420

PA-0028 US

```

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gatgcaaccg acaggctgtg gccggacagc tgctgcccag cacatggagc ctgcacgcgc 660
acgggtttggc caaagaagcc cccatactcc cggtgaaaaa gatttccaga agctgttctg 720
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<210> 804
 <211> 691
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 977449.1

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ctgcagcagc caacagcctc agattcccta caggggctgg aagatcaagt tgaatgtatc 540
catccatgcc catctgcagg cagcagaagc aggcagggtg tcttgcacc ctctcctcct 600
gctttcccag agtccagcat ctgtgccagt gccacctata gacctggtaa cttttttttc 660
ccggttctag tgttgtgttt gtccccacc c                                     691

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<210> 805
 <211> 582
 <212> DNA
 <213> Homo sapiens

PA-0028 US

<220>

<221> misc_feature

<223> Incyte ID No: 197828.11

<400> 805

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gagacgggat tttggtccgg ggtggagagc gaatgcattg aaaagggcca aggcccagga 180
taaggtagac atttaaaggg gtacggatgc ccaaggtaga gcagacactt gaggagacca 240
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tcgaaggaag cacgcgcacg cctgctctcc ccattgtctt tttctggctt ctccagggtc 480
cctcgaccca ggaccccctt gttcccaggc tatggccccc agtgccctgt agacctggca 540
ggccccccgt gcttgcgacc cctatttggg ggtctgggtg gc 582

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<210> 806

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 193797.1

<400> 806

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gatagaaaga agtaaaccag taactatgca tatgagatga atactggata atgataagag 60
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tatatcaggc gcagttttta gtgctcattt aatcttttga actgctacat gtactatatt 180
aaggcaatct ccattttaca gatgaggaag taggggcaca gagaaggatg ccacctttct 240
aaaatcacat agctattaag tagaaaaggc agaattcaat ctcaagcaat tttcttccaa 300
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<210> 807

<211> 1834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 032735.1

<220>

<221> unsure

<222> 1070-1096

<223> a, t, c, g, or other

<400> 807

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PA-0028 US

```

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gcctatcact aaaggaacc tgtatttttg tcttgatttt gatattaaat tgcagtgcga 1260
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<210> 808
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 984490.1

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<400> 808
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actcttcctc ctgcctttcc ttgagctact aataatcctg gtgactatgt ccccaaatg 240
catatcttta tattttacca cagatataat tacatatgga cgatatataa tcttgttttg 300
catgttttaa aactatgtaa gtggatcttg ctgtatgtat ccctttgtta cttccaaaac 360
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<210> 809
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 984490.2

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<400> 809
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tgattaaaag gggatgtcct gtaaagtgtt tcttttgtga aataccatag cacacattta 180
agggataaag aaggcccgtc ccagaggcaa tgttgcatat agttcctgtc ccactgggcc 240
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ttaaggattt atgggcagat tgatacctgc ctgggtcggc atggatgcaa tgagtatttt 360
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```

<210> 810
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 028791.1

```

<400> 810
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catactgggt caaggattgt cagagacaag tttttaacca ttgggatatg agaggatatc 180
tactaaagat actttacctt catgaataac aaataaagct tcttggggaa atagcctttt 240
cctccttttc tgtcttcttg ctgtcctgag catagatgtg atg 283

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PA-0028 US

<210> 811

<211> 2561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 018109.1

<400> 811

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agctatatac tggctttgaa tatattggca gccataaag ataaattaac cagttgagat 180
tcatacagtc caagtttacc agatgcttag gagacgcaa gctttgccta gcattctgtc 240
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<212> DNA

<213> Homo sapiens

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<222> 1090  
<223> a, t, c, g, or other
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609

PA-0028 US

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<211> 8674

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611

PA-0028 US

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1973832CB1

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PA-0028 US

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<211> 2336

<212> DNA

<213> Homo sapiens

PA-0028 US

<220>

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<223> Incyte ID No: 337199.1

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<221> unsure

<222> 605, 741, 756, 1259, 1842

<223> a, t, c, g, or other

<400> 817

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PA-0028 US

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PA-0028 US

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PA-0028 US

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gccctctctc ccattctgtg atgagtacag cagagacctt cctgcttttt actggggact 900
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<210> 828

<211> 588

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 344291.2

<220>

<221> unsure

<222> 294, 310, 313, 324-325, 348, 364

PA-0028 US

<223> a, t, c, g, or other

<400> 828

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aatcaaagca	attctgggta	aaagacttcc	cagatgatct	ctcaacgcct	tggcaacgct	240
tggcgactgg	gagctagaac	catgagttgt	taatgtgtgc	acggaagcca	caantgtgca	300
ggacgcaagn	tgngttattg	gaannggacg	acaccaagga	ggcgttgncg	cggatgtggt	360
ggangatgcc	aagtcgtctt	ttaaaaaagg	aagtgaagaa	tgattaagag	ggtcacgccc	420
tctaccactc	caacctctct	aatcagttct	tttctgctcc	gtctgctgta	catgcacctg	480
ctcaggtgag	acctcaagga	aaaataatcc	tgtgggtcca	cctaattctg	taagtgttgt	540
atttggaaaa	tcaaacccca	aattaaacgc	aggacgtgga	aactgaaa		588

<210> 829

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1350572CB1

<400> 829

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taacttatac	atatttttaa	agaaatattt	atattgtatt	tatataatgt	ataaatgggt	1080
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<210> 830

<211> 2136

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2170967CB1

<400> 830

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gacaagatgt	tcttgctgcc	tcttccggct	gcggggcgag	tagtcgtccg	acgtctggcc	240
gtgagacgtt	tcgggagccg	gagtcctctc	accgcagaca	tgacgaagg	ccttggttta	300
ggaatctatt	ccaaagaaaa	agaagatgat	gtgccacagt	tcacaagtgc	aggagagaa	360
tttgataaat	tgtagctgg	aaagctgaga	gagactttga	acatatctgg	accacctctg	420
aaggcaggga	agactcgaac	cttttatgg	ctgcatcagg	acttccccag	cgtgggtgcta	480
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tctgtggagg	tggatccctg	tggagacgct	caggctgctg	cggaggaggc	gggtgcttct	660
ctctatgaat	acgatgacct	aaagcaaaaa	aagaagatgg	ctgtgtcggc	aaagctctat	720

PA-0028 US

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attgagaaga atctcaaaag tgctagtagt aaaaccgagg tccatatcag acccaagtct 900
tggattgagg aacaggcaat gggatcattc ctcagtgtgg ccaaaggatc tgacgagccc 960
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tgtagaacac aatgaaattt gtatgccttg attttttttt tcatttcaca caaagattta 1920
taaaggtaaa gttaatatct tacttgataa ggatttttaa gatactctat aaatgattaa 1980
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gaaacaataa atgcaacttg ttgtgaaaaa aaaaaa 2136

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<210> 831
 <211> 824
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 088564CB1

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<400> 831
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gctggcgaatc agaagcagca agcaactttg actgctgtct tggatacaca gaccgtattc 180
ttcatcctaa atttattgtg ggcttcacac ggcagctggc caatgaaggc tgtgacatca 240
atgctatcat ctttcacaca aagaaaaagt tgcctgtgtg cgcaaatcca aaacagactt 300
gggtgaaata tattgtgcgt ctcctcagta aaaaagtcaa gaacatgtaa aaactgtggc 360
ttttctggaa tggaattgga catagcccaa gaacagaaaag aaccttgctg gggttggagg 420
tttcaacttg acatcatgga gggtttagtg cttatctaatt ttgtgcctca ctggacttgt 480
ccaattaatg aagttgattc atattgcac atagtttgct ttgtttaagc atcacattaa 540
agttaaactg tattttatgt tatttatagc tgtaggtttt ctgtgtttag ctattttaata 600
ctaattttcc ataagctatt ttggtttagt gcaaagtata aaattatatt tgggggggaa 660
taagattata tggactttct tgcaagcaac aagctatttt ttaaaaaaaa actatttaac 720
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<210> 832
 <211> 2046
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 480668.19

<220>
 <221> unsure
 <222> 59, 84, 86, 1487, 1495, 1503
 <223> a, t, c, g, or other

<400> 832
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PA-0028 US

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tgtctttctt gtaaggcata ctgccttggt taatgttaat tatgcagtgt ttccctctgt 1980
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atttaa 2046

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<210> 833
 <211> 710
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 902098.4

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tgcaaaaagt gcaaatgcac ctctgcaag aagagttagt gcggggccat ctccaggaat 180
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ggtgggagag ggagctccct ggtcaagtct gctgtgactt ctctctccct ttttcccg 480
ctgctgctcc tgttgcccc tggtctgtgc caagtgtgcc cagggtgca tctgcaagg 540
ggcgtcagag aagtgcagct gctgtgcctg atgtcgggac agccctgctg tcagatgaaa 600
acagaatgac acgtaaaatc caggattttt ttttctaca actccgactc atttgctaca 660
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<210> 834
 <211> 725
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 1184364.3

PA-0028 US

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gggctgtggc	tgagattggg	agggaaaccca	aggctggccc	tgagtgcac	cttctgggga	240
actgggcttt	ctttgccctc	attgcccgtg	tcattccctc	tccaggcttt	ctgccctaaa	300
ttcagatggg	gcaggacagc	atctttctct	tgggacacaa	atcccaactg	tagcatctat	360
ggtttcagaa	cagagctgtg	ccagacgtaa	aaagcttcct	ctgggtctgg	gttctgagct	420
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tccccttctt	cccaggtctg	ctgctcctgc	tggccggtgg	gctgtgccaa	gtgtgcccac	540
ggctgtgtct	gcaaagggac	gttgagagaa	tgcagctgct	gtgcctgatg	tgggaacagc	600
tcttctccca	gatgttaata	gaacaagctg	cacaacctgg	atcttttttc	aatacgatac	660
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acttg						725

<210> 835

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1568230CB1

<400> 835

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tgctttccga	ctgcctgact	gcttggtcgt	ctcactgggtg	tgagctccag	catccccctt	180
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cctggatttt	tttaaaaaata	caacactgag	ccatttgctg	catttctttt	tatactaaat	480
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<210> 836

<211> 972

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 010001CB1

<400> 836

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caggaggcgt	tggccaaggg	agatgttaca	gcccagatag	ctcttcagcc	tgactgaag	360
ttcaatggtg	gtggtcatat	caatcatagc	atcttctgga	caaacctcag	ccctaacggg	420
ggtggagaac	ccaaagggga	gttgctggaa	gccatcaaac	gtgacttttg	ttcctttgac	480
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ggatcacatac	taaaacccta	taaggctcctg	gataattttt	gtttgattat	tcattgaaga	900
aacattttatt	ttccaattgt	gtgaagtttt	tgactgttaa	taaaagaatc	tgtcaaccat	960
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<210> 837

<211> 817

<212> DNA

PA-0028 US

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 222838.1

<400> 837

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ttcagccccc aggggcttgc tcagccagtt gggattaata cttcaactac ctgctgctac 180
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gacccacacac agaagtgggt ccaggacttt atgaagcacc tggacaagaa aacccaaact 360
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<210> 838

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 273061CB1

<400> 838

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gaaatcaagc tggagtacgt gaaatgactt ttccattctc ctctggcctc ctcttctatg 420
ctttggaata cttctaccat aattttcaaa taggatgcat tcggttttgt gattcaaaaat 480
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gagtattgct gatcttttct aaagcaaggc cttgagcaag taggttgctg tctctaagcc 600
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tgtgaatgtg aggtgttgct aaatatgtta ttgtggaaag atgaatgcaa tagtaggact 780
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<210> 839

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1075405.1

<220>

<221> unsure

<222> 677, 710

<223> a, t, c, g, or other

<400> 839

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<211> 1332

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1157025.1

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<211> 2902

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2930605CB1

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<211> 3172

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 410580.16

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<221> unsure

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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PA-0028 US

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<211> 493

<212> DNA

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<223> Incyte ID No: 977891CB1

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<223> Incyte ID No: 1091631.1

<400> 848

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PA-0028 US

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